

COUNCIL AGENDA: 12/3/13
ITEM: 2.12

Memorandum

TO: HONORABLE MAYOR AND

CITY COUNCIL

FROM: Hans F. Larsen

SUBJECT: CONSULTANT AGREEMENT FOR

FOR DA

DATE: November 12, 2013

SIGNAL RETIMING

Approved:

Date:

11/10/13

COUNCIL DISTRICT: 1, 2, 3, 5, 7, 10

RECOMMENDATION

Approve a consultant agreement with Kimley-Horn and Associates, Inc. (Kimley-Horn) for the Vehicle Registration Fee San José Signal Retiming Project in a total amount not to exceed \$291,450 with a term ending June 30, 2014, with an option for the Director of Transportation to extend the term for an additional six months, if necessary.

OUTCOME

This agreement will provide for the retiming of 123 traffic signals to optimize travel flow conditions on Downtown and surrounding area bicycle corridors as well as weekend conditions around major freeway access points near key retail centers within the City. The project benefits include better balanced flow for vehicles, bicycles, and pedestrians, reduced travel delay, and reduced vehicle emissions.

BACKGROUND

In the past few years, various bicycle facility improvement projects were implemented in Downtown San José and its periphery; including on Almaden Boulevard and on Third, Fourth, Tenth, Eleventh, and Hedding Streets. These projects were implemented to improve pedestrian and bicycle mobility through and within the Downtown, and to connect public transit facilities to key Downtown destinations. Although traffic signal timing was reviewed and adjusted immediately following the project completion to support traffic pattern changes, Vehicle License Fee (VRF) grant funds were secured to provide for additional review of signal operations on a corridor-wide basis. In addition, the VRF grant funds will provide for review and retiming of traffic signals around major freeway access points near retail centers. On June 18, 2013, the City Council approved the acceptance of the VRF grant from the Santa Clara Valley Transportation Authority (VTA) in an amount of \$444,000 to fund the signal retiming work.

HONORABLE MAYOR AND CITY COUNCIL November 12, 2013 Subject: Consultant Agreement for Signal Retiming Page 2

ANALYSIS

On August 13, 2013, the City released a Request for Proposal (RFP) for signal retiming design and support services for 123 signals. Table 1, of Attachment A, details the intersections near key retail centers while Table 2 details intersections along bicycle corridors. Two consultant firms responded with their proposals by the deadline date of September 2, 2013: Kimley-Horn and TJKM Transportation Consultants. A review panel consisting of Department of Transportation staff analyzed each consultant firm's proposal and assigned rating points based on the evaluation criteria set forth in the RFP. Kimley-Horn scored the highest total points.

The evaluation results are indicated in the table below:

Evaluation Criteria	TJKM	Kimley-Horn
Technical experience in traffic signal coordination (20 points)	15.7	18.3
Knowledge of signal optimization software (20 points)	14.7	18.3
Project understanding and proposed approach (20 points)	14.3	18.0
Familiarity with San Jose's traffic signal system (10 points)	3.3	9.7
Availability of qualified staff resources (5 points)	3.3	2.7
Cost Proposal (15 points)	14.9	15
Local Business Enterprise (5 points)	0	5
Small Business Enterprise (5 points)	0	0
Total Points	65.6	87.7

The Notice of Intended Award was emailed to both consultant firms on October 2, 2013. No protests were received.

The scope of work under the proposed agreement with Kimley-Horn includes traffic data collection at all signalized intersections proposed for retiming, development of timing plans that reflect current travel patterns, review and update of all pedestrian crossing times, and preparation of before-and-after studies to validate travel time improvements and other project benefits. The proposed agreement includes a Supplemental Services Task that will enable up to 14 additional intersections to be retimed if the City determines necessary for corridor coordination based upon field condition assessments made during implementation of the project. This agreement authorizes the Director to extend the term for an additional six months to accommodate the retiming of any additional intersections.

HONORABLE MAYOR AND CITY COUNCIL November 12, 2013 Subject: Consultant Agreement for Signal Retiming Page 3

EVALUATION AND FOLLOW-UP

This project addresses the following performance measures under the Transportation Operations core service and will be reported through the normal reporting cycles:

- percentage of traffic signals proactively re-timed citywide
- percentage of customers rating services good or better based upon timeliness, added safety, and satisfaction with traffic solution

PUBLIC OUTREACH/INTEREST

Criterion 1: Requires Council action on the use of public funds equal to \$1,000,000 or greater; (Required: Website Posting)
Criterion 2: Adoption of a new or revised policy that may have implications for public health, safety, quality of life, or financial/economic vitality of the City. (Required: E-mail and Website Posting)
Criterion 3: Consideration of proposed changes to service delivery, programs, staffing that may have impacts to community services and have been identified by staff, Council or a Community group that requires special outreach. (Required: E-mail, Website Posting, Community Meetings, Notice in appropriate newspapers)

This report does not meet any of the criteria above; however it will be posted on the City's website for the Council agenda.

COORDINATION

This agreement has been coordinated with the City Attorney's Office, the Department of Planning, Building and Code Enforcement, and the City Manager's Budget Office.

FISCAL/POLICY ALIGNMENT

This recommended action aligns with the Transportation and Aviation Services CSA outcomes related to providing a transportation system that enhances community livability and that travelers have a positive, reliable and efficient experience.

HONORABLE MAYOR AND CITY COUNCIL

November 12, 2013

Subject: Consultant Agreement for Signal Retiming

Page 4

COST SUMMARY/IMPLICATIONS

1. TOTAL AMOUNT OF RECOMMENDATION: \$291,450

2. COST OF AGREEMENT:

Project Management	\$9,875
Data Collection	\$91,875
Data Analysis	\$50,175
Timing Development & Optimization	\$39,850
Implementation & Fine-Tuning	\$46,250
Evaluation	\$24,025
Supplemental Services	<u>\$29,400</u>
Total Agreement Costs	\$291,450

- 3. SOURCE OF FUNDING: Fund 465 Construction Excise Tax Fund
- 4. FISCAL IMPACT: The proposed operating and maintenance costs of this project have been reviewed and will have no significant impact on the General Fund operating budget.

BUDGET REFERENCE

The table below identifies the fund and appropriation proposed to fund the agreement recommended in this memorandum.

Fund	Appn,				Amount for	2013- 2014 Adopted Budget	Last Budget Action (Date, Ord.
#	#	RC#	Appn. Name	Total Appn.	Contract	(Page)	No.)
465	7633	TBD	Signal Retiming - VRF	\$444,000	\$291,450	N/A	06/18/13, Ord. No. 29273
Curi	Current Funding Available		\$444,000	\$291,450			

HONORABLE MAYOR AND CITY COUNCIL November 12, 2013 Subject: Consultant Agreement for Signal Retiming Page 5

CEQA

Resolution No. 76041, File No. PP13-099.

/s/ HANS F. LARSEN Director of Transportation

For questions, please contact Lily Lim-Tsao, DOT Division Manager of Transportation Operations at (408) 975-3269.

Attachment

Attachment A LIST OF INTERSECTIONS

The PROJECT area includes 123 intersections listed below under Table 1 and Table 2.

Table 1 - Group 1 Intersections

#	CD	INTERSECTION NAME	CORRIDOR	
1	5	Story Rd at Hopkins Dr	Story Road	
2	5	Story Rd at Adrian Wy	Story Road	
3	5	Story Rd at Jackson Ave	Story Road	
4	5	Story Rd at Leeward Dr	Story Road	
5	5	Story Rd at Galahad Ave	Story Road	
6	5	Story Rd at McGinness Ave	Story Road	
7	5	Story Rd at Home Depot DW	Story Road	
8	5	Story Rd at Lyndale Ave	Story Road	
9	5	Story Rd at White Rd	Story Road	
10	3,7	Monterey Rd/1st St at Alma Ave	Monterey Road	
11	7	Monterey Rd at San Jose Ave	Monterey Road	
12	7	Monterey Rd at Phelan Ave	Monterey Road	
13	.7	Monterey Rd at Stauffer Bl	Monterey Road	
14	7	Monterey Rd at The Plant DW	Monterey Road	
15	7	Monterey Rd at Curtner/Tully	Monterey Road	
16	7	Monterey Rd at Old Tully Rd	Monterey Road	
17	7	Monterey Rd at Umbarger Rd	Monterey Road	
18	7	Monterey Rd at Lewis Rd	Monterey Road	
19	7	Monterey Rd at Southside Dr	Monterey Road	
20	7	Monterey Rd at Fehren Dr	Monterey Road	
21	7	Monterey Rd at Capitol Exp (N)	Monterey Road	
22	7,10	Monterey Rd at Capitol Exp (S)	Monterey Road	
23	2,7,10	Monterey Rd at Senter Rd	Monterey Road	
24	2,10	Monterey Rd at Skyway Dr	Monterey Road	
25	2,10	Monterey Rd at Branham Ln	Monterey Road	
26	. 2 .	Monterey Rd at Edenview Dr	Monterey Road	
27	2	Monterey Rd at Chynoweth/Roeder	Monterey Road	
28	2	Monterey Rd at Blossom Hill Rd (N)	Monterey Road	
29	2	Monterey Rd at Blossom Hill Rd (S)	Monterey Road	
30	2	Monterey Rd at Monterey Plaza DW	Monterey Road	
31	3	Oakland Rd at Bayshore Fwy (S)	Oakland Road	
32	3	Oakland Rd at Bayshore Fwy (N)	Oakland Road	
33	3	Oakland Rd at Commercial St	Oakland Road	
34	10	Santa Teresa Bl at Steinbeck Dr	Santa Teresa Boulevard	
35	10	Santa Teresa Bl at Steinbeck School	Santa Teresa Boulevard	
36	10	Santa Teresa Bl at Coleman Rd	Santa Teresa Boulevard	
37	10	Santa Teresa Bl at Allen Ave	Santa Teresa Boulevard	
38	10	Santa Teresa Bl at Cahalan Ave	Santa Teresa Boulevard	

10	South Tayona Dl at Chashua Avia	Santa Taraga Daylarand
		Santa Teresa Boulevard
	0.000	Santa Teresa Boulevard
		Santa Teresa Boulevard
	Santa Teresa Bl at Encinal/Lissow Dr	Santa Teresa Boulevard
	Santa Teresa Bl at Miyuki Ave	Santa Teresa Boulevard
	Santa Teresa Bl at Park & Ride Lot	Santa Teresa Boulevard
	Santa Teresa Bl at San Ignacio Ave	Santa Teresa Boulevard
	Santa Teresa Bl at Great Oaks/Vineyard	Santa Teresa Boulevard
	Santa Teresa Bl at Martinvale Ln	Santa Teresa Boulevard
2	Santa Teresa Bl at Bernal Rd	Santa Teresa Boulevard
1	Saratoga Ave at Williams Rd	Saratoga Avenue
1	Saratoga Ave at Doyle/San Tomas Aquino	Saratoga Avenue
1	Saratoga Ave at Payne Ave	Saratoga Avenue
1	Saratoga Ave at Graves Ave	Saratoga Avenue
1	Saratoga Ave at Campbell Av/Prospect Rd	Saratoga Avenue
1	Prospect Rd at Westgate West DW	Saratoga Avenue
1	Campbell Ave at Westgate	Saratoga Avenue
1	Campbell Ave at Hamilton Ave	Saratoga Avenue
1	Saratoga Ave at El Paseo de Saratoga DW	Saratoga Avenue
. 10	Blossom Hill Rd at Thornwood	Blossom Hill Road
10	Blossom Hill Rd at Playa Del Rey	Blossom Hill Road
10	Blossom Hill Rd at Cahalan Ave	Blossom Hill Road
10	Blossom Hill Rd at Sunrise Plaza DW	Blossom Hill Road
10	Blossom Hill Rd at Chesbro Ave	Blossom Hill Road
10	Blossom Hill Rd at Indian Ave	Blossom Hill Road
10	1.00	Blossom Hill Road
10		Blossom Hill Road
2,10	Blossom Hill Rd at Snell Ave	Blossom Hill Road
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Santa Teresa Bl at Blossom Ave 2,10 Santa Teresa Bl at Snell Ave 2 Santa Teresa Bl at Dunn Ave 2 Santa Teresa Bl at Lean Ave 2 Santa Teresa Bl at Lean Ave 2 Santa Teresa Bl at Cottle Rd 2 Santa Teresa Bl at Camino Verde Dr 2 Santa Teresa Bl at Encinal/Lissow Dr 2 Santa Teresa Bl at Harviki Ave 2 Santa Teresa Bl at Brail Allissow Dr 2 Santa Teresa Bl at Park & Ride Lot 2 Santa Teresa Bl at San Ignacio Ave 2 Santa Teresa Bl at Great Oaks/Vineyard 2 Santa Teresa Bl at Martinvale Ln 2 Santa Teresa Bl at Bernal Rd 1 Saratoga Ave at Williams Rd 1 Saratoga Ave at Williams Rd 1 Saratoga Ave at Tayne Ave 1 Saratoga Ave at Graves Ave 1 Saratoga Ave at Graves Ave 1 Saratoga Ave at Campbell Av/Prospect Rd 1 Prospect Rd at Westgate West DW 1 Campbell Ave at Westgate 1 Campbell Ave at Hamilton Ave 1 Saratoga Ave at El Paseo de Saratoga DW 10 Blossom Hill Rd at Thornwood 10 Blossom Hill Rd at Cahalan Ave 10 Blossom Hill Rd at Chesbro Ave 10 Blossom Hill Rd at Chesbro Ave 10 Blossom Hill Rd at Uvalley Fwy (W) 10 Blossom Hill Rd at W Valley Fwy (W) 10 Blossom Hill Rd at W Valley Fwy (E)

Table 2 - Group 2 Intersections

#	CD	INTERSECTION NAME	CORRIDOR	
1	3	Hedding St at Ruff Dr	Hedding Street	
2	3	Hedding St at Guadalupe Pkwy	Hedding Street	
3	3	Hedding St at Jail Garage DW	Hedding Street	
4	3	Hedding St at San Pedro St	Hedding Street	
5	3	Hedding St at N First St	Hedding Street	
6	3	Hedding St at N Fourth St	Hedding Street	
7	3	Hedding St at N Seventh St	Hedding Street	
8	3	Hedding St at N Tenth St	Hedding Street	
9	3	Hedding St at N Eleventh St	Hedding Street	
10	3	Hedding St at Oakland Rd/13 th St	Hedding Street	
11	3	Third St at Santa Clara St	Third Street	
12	3	Third St at San Fernando St	Third Street	
13	3	Third St at Paseo de San Antonio	Third Street	
14	3	Third St at San Carlos St	Third Street	
15	3	Third St at San Salvador St	Third Street	
16	3	Third St at William St	Third Street	
17	3	Third St at Reed St	Third Street	
18	3	Fourth St at Santa Clara St	Fourth Street	
19	3	Fourth St at San Fernando St	Fourth Street	
20	3	Fourth St at Paseo de San Antonio	Fourth Street	
21	3	Fourth St at San Carlos St	Fourth Street	
22	3	Fourth St at San Salvador St	Fourth Street	
23	3	Fourth St at William St	Fourth Street	
24	3	Fourth St at Reed St	Fourth Street	
25	3	Tenth St at Santa Clara St	Tenth Street	
26	3	Tenth St at San Fernando St	Tenth Street	
27	3	Tenth St at San Antonio St	Tenth Street	
28	3	Tenth St at San Carlos St	Tenth Street	
29	3	Tenth St at San Salvador St	Tenth Street	
30	3	Tenth St at William St	Tenth Street	
31	- 3	Tenth St at Reed St	Tenth Street	
32	3	Tenth St at Sinclair Fwy (N)	Tenth Street	
33	3	Tenth St at Sinclair Fwy (S)	Tenth Street	
34	3	Tenth St at Keyes St	Tenth Street	
35	3	Eleventh St at Santa Clara St	Eleventh Street	
36	3	Eleventh St at San Fernando St	Eleventh Street	
37	3	Eleventh St at San Antonio St	Eleventh Street	
38	3	Eleventh St at San Carlos St	Eleventh Street	
39	3	Eleventh St at San Salvador St	Eleventh Street	
40	3	Eleventh St at William St	Eleventh Street	
41	3	Eleventh St at Reed St	Eleventh Street	
42	3	Eleventh St at Sinclair Fwy (N)	Eleventh Street	
43	3	Eleventh St at Sinclair Fwy (S)	Eleventh Street	
44	3	Eleventh St at Keyes St	Eleventh Street	

45	3,7	Keyes St at Senter Rd	Eleventh Street
46	3	Almaden Bl at Santa Clara St	Almaden Boulevard
47	3	Almaden Bl at San Fernando St	Almaden Boulevard
48	3	Almaden Bl at Park Ave	Almaden Boulevard
49	3	Almaden Bl at San Carlos St	Almaden Boulevard
50	3	Almaden Bl at Convention Center	Almaden Boulevard
51	3	Almaden Bl at Balbach St	Almaden Boulevard
52	3	Almaden Bl at Reed/Sinclair Fwy (N)	Almaden Boulevard
53	3	Almaden Bl/Vine at Sinclair Fwy (S)	Almaden Boulevard
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